APPENDIX C

DETAILED ANALYSES, METHODS AND DETECTION LIMITS

Volatile O₁ cs by GC/MS EPA Method SW8260B

Reporting Limit		1/1/2: 00			20 ug/Kg					20 µg/Kg	20 µg/Kg	20 ug/Kg						20 Hg/Kg	20 ug/Kg									40 HB/Kg	40 µg/Kg											
Concentration		Š	1 2	2 :	2	2	S	2	2 :	2	<u>0</u>	9	QZ.	S	2	2 2	7 !	2	₽	2		2	2			2 :	2 :	2	Q											
Сотроипа		36 Bromoform	37 Styrana		•	39 1,1,2,2-Tetrachloroethane	40 1,2,3-Trichloropropane	41 Isopronylpenzene				•	CA	48 1,3,5-Trimethylbenzene	47 tert-Butvibanzana	•	- 0	,	_	51 1,4-Dichlarabenzene	52 4-Isopropyltolyene	53 1.2-Dichlorobenzene	54 n-Butvibenzene			- 2	_		od I,z,s-Iricillarapenzene											
Reporting Limit		20 HB/Kg	40 ug/Kg				20 µg/Kg	20 µg/Kg						20 µg/Kg	20 µg/Kg	20 ug/Kg					20 µg/Kg	20 µg/Kg	20 µB/Kg																20 µg/Kg	20 µg/Kg
Concentration	-	2	Q	2		Ž	2	2	02	C Z	2	2 !	2	a Z	ΩN	QZ	02	2	1	2	ΩN	2	9	ΩN	2	2	2	0	2	0	ı C	Z	2	2 2	2	2 (2 2	2 :	Q.	2
Compound	: :	1 Dichlorodiffuoromethane	2 Chlaramethane	3 Vinvi chloride			ш	8 Trichlorofluoromethane	7 1,1-Dichlaraethene				lo 1,1-picnieresmane		12 Bromochloromethane	13 Chlorofarm	14 2,2-Dichloropropane	1 2-Dichlorathana		_ '			19 Benzene	20 Dibromomethane	21 1,2-Dichloropropane	22 Trichloroethene	23 Bromodichloromethane	24 cls-1,3-Dichloraprapane		26 1,1,2-Trichloroethane	27 Toluene	28 1,3-Dichloropropane	29 Dibromochloromathana	• •			٠ ر		'	oo in,p-Aylene

Semivolatile Ork s by GC/MS EPA Method sW8270C

Reporting	660 Hg/Kg
Concentration	999999999999999 ——————————————————————
Сомроила	36 Haxachlorobenzene 37 Pentachlorophenol 38 Phenanthrene 40 Di-n-butyl phihalate 41 Fluoranthane 42 Pyrane 43 Pyrane 44 Benzo(a)anthracene 45 3,3 -Dichlorobenzidine 46 Di-n-actyl phthalate 47 Bis(2-ethylhaxyl)phthalate 48 Di-n-actyl phthalate 50 Benzo(k)fluoranthane 51 Benzo(a)pyrane 52 Indeno(1,2,3-cd)pyrane 53 Dibenz(a,h)anthracene 53 Dibenz(a,h)anthracene 54 Benzo(gh,i)perylene
Reporting Limit	660 Hg/kg 660 Hg/kg 1,300 Hg/kg 1,300 Hg/kg 660 Hg/kg
Concentration	99999999999999999999999999999999999999
Compound	2 2-Chlorophanol 3 Bis(2-chlorosthyl)ether 4 1,3-Dichlorobenzene 5 1,4-Dichlorobenzene 6 1,2-Dichlorobenzene 7 Bis(2-chlorolsopropyl)ether 8 N-Nitrosodi-n-propylamine 9 Hexachloroethane 10 Nitrobenzene 11 Sophorona 12 2-Nitrophanol 13 2,4-Dimethylphanol 14 Bis(2-chlorosthoxy)methane 15 2,4-Dimethylphanol 17 4-Trichlorophanol 17 4-Trichlorophanol 17 4-Trichlorophanol 18 4-Chloro-3-methylphanol 20 Hexachlorocyclopentadiane 21 2,4,6-Trichlorophanol 22 2-Chloronaphanol 23 Dimethyl phthalate 24 Acenaphthane 25 2,6-Dinitrophanol 28 4-Nitrophanol 29 2,4-Dinitrophanol 29 2,4-Dinitrophanol 39 2,6-Dinitrophanol 39 4-Dinitrophanyl phthalate 31 Fluorene 31 Fluorene 32 4-Dinitro-2-methylphanol 34 4-Bromophanyl phanyl ether

Polychlorinated Biphenyls (PCBs) EPA Method SW8082

			Reporting
	Compound	Concentration	Limit
1	Aroclor 1016	ND	33 µg/Kg
2	Aroclor 1221	ND	33 µg/Kg
3	Aroclor 1232	ND	33 µg/Kg
4	Aroclor 1242	ND	33 µg/Кg
5	Aroclor 1248	ND	33 µg/Kg
6	Araclar 1254	ND	33 µg/Кр
7	Aroclor 1260	ND	33 µg/Кg

Organochlorine Pesticides EPA Method SW8081A

	Compound	Concentrallon	Reporting Limit
1	alpha-BHC	ND	1.7 µg/Kg
2	gamma-BHC (Lindane)	ND	1.7 µg/Kg
3	Heptachlor	ND	1.7 µg/Kg
4	Aldrin	ND	1.7 µg/Kg
5	beta-BHC	ND	1.7 µg/Kg
6	delta-BHC	ND .	1.7 µg/Kg
7	Heptachlor epoxide	ND	1.7 µg/Kg
8	Endosulfan I	ND	1.7 µg/Kg
9	Chlordane (Technical)	ND	33 µg/Kg
10	4,4 -DDE	ND	3.3 µg/Kg
11	Dieldrin	ND	3,3 µg/Kg
12	Endrin	ДИ	3.3 µg/Kg
13	4,4*-DDD	ND	3,3 µg/Kg
14	Endosulfan II	ND	3.3 µg/Kg
15	4,4*-DDT	ND	3.3 µg/Kg
16	Endrin aldehyde	ND	6.6 µg/Kg
17	Methoxychlor	ND	17 µg/Kg
18	Endosulfan sulfate	ND	3.3 µg/Kg
19	Endrin ketone	ND	6.6 µg/Kg
20	Toxaphene	ND	170 µg/Kg

Chlorinated Herbicides EPA Method SW8151A

_	Compound	Concentration	Reporting Limit
2	Dalapon	ND	170 µg/Kg
3	3,5-Dichlorobenzoic Acid	ND	33 µg/Кg
	4-Nitrophenol	ND	170 µg/Kg
4	Dicamba	ND	33 µg/Kg
5	MCPP	ND	6,600 µg/Kg
6	MCPA	ND	6,600 µg/Kg
7	Dichloroprop	ND	170 µg/Kg
8	2,4-D	ND	
9	Pentachlorophenol	ND	33 µg/Kg
10	2,4,5-TP (Silvex)	ND I	33 µg/Kg
11	2,4,5-T	ND	33 µg/Kg
12	2,4-DB]	33 µg/Kg
13	Dinoseb	ND	330 µg/Kg
14	Bentazon	ND	170 µg/Kg
15	DCPA (Dachtal)	ND	170 µg/Kg
16	Pichloram	ND	170 µg/Kg
17	Acifluorfen	ND	33 µg/Kg
		l ND	170 µg/Kg

Volatile Organics by GC/MS EPA Method SW8260B

			EPA Me	thod S	SW8260B		
	Compound	Concentration	Reporting Limit	**	Compound	Constant	Reporting
34	Vinyl chloride Chloroethane Bromomethane Trichlorofluoromethane 1,1-Dichloroethane trans-1,2-Dichloroethane 1,1-Dichloroethane cis-1,2-Dichloroethane cis-1,2-Dichloroethane cis-1,2-Dichloroethane cis-1,2-Dichloroethane 2,2-Dichloromethane 1,2-Dichloropropane 1,2-Dichloroethane	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1.0	48 49 50 51 52 53 54 55 56 57	Bromoform Styrene o-Xylene 1,1,2,2-Tetrachloroethane 1,2,3-Trichloropropane Isopropylbenzene Bromobenzene n-Propylbenzene 4-Chlorotoluene 2-Chlorotoluene 1,3,5-Trimethylbenzene tert-Butylbenzene 1,2-4-Trimethylbenzene sec-Butylbenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Trichlorobenzene 1,2-A-Trichlorobenzene 1,2-A-Trichlorobenzene 1,2-A-Trichlorobenzene 1,2-A-Trichlorobenzene 1,2-A-Trichlorobenzene 1,2-A-Trichlorobenzene 1,2-A-Trichlorobenzene	Concentration ND ND ND ND ND ND ND ND ND N	1.0 µg/L 2.0 µg/L 2.0 µg/L 2.0 µg/L 2.0 µg/L 2.0 µg/L 2.0 µg/L

ND = Not Detected

Semivolatile Organics by GC/MS EPA Method SW8270C

				Method SW8270C		
	Compound	Concentration	Reporting Limit	Compound	_	Reporting
2 2 3 E 4 1 5 1 6 1 1 8 9 H 1 1 1 2 2 1 1 4 1 1 5 2 1 1 5 2 2 1 6 1 1 7 Ni 8 H 1 5 2 2 2 2 2 2 4 Acc 2 2 2 4 Acc 2 3 Acc 2 4 Acc 2 3 Acc 2 4 Acc 2 3 4 Acc 2	Phenol 2-Chjorophenol 3is(2-chlorophenol 3is(2-chlorophenol 3is(2-chlorophenol 3is(2-chlorobenzene ,4-Dichlorobenzene ,2-Dichlorobenzene ls(2-chloroisopropyl)ether l-Nitrosodi-n-propylamine exachloroethane itrobenzene ophorone -Nitrophenol 4-Dimethylphenol s(2-chloroethoxy)methane 4-Dichlorophenol 2,4-Trichlorobenzene aphthalene exachloroetutadiene Chloro-3-methylphenol exachlorocyclopentadiene 1,6-Trichlorophenol chloronaphthalene enaphthylene -Dinitrotoluene enaphthene Dinitrotoluene itrophenol Dinitrotoluene itrophenol Dinitrotoluene itrophenol Dinitro-2-methylphenol itrophenol Dinitro-2-methylphenol itrophenol Dinitro-2-methylphenol itrosodiphenyl phenyl ether Dinitro-2-methylphenol itrosodiphenylamine omophenyl phenyl ether	555555555555555555555555555555555555555	10	> 38 Hexachlorobenzene > 37 Pentachlorophenol 38 Phenanthrene 40 Di-n-butyl phthalate 41 Fluoranthene 42 Pyrene 43 Butyl benzyl phthalate 44 Benzo(a)anthracene 45 3,3'-Dichtorobenzidine 46 Chrysene 47 Bis(2-ethylhexyl)phthalate 48 Di-n-octyl phthalate 49 Benzo(b)fluoranthene 50 Benzo(k)fluoranthene 51 Benzo(a)pyrene 52 Indeno(1.2,3-cd)pyrene 53 Dibenz(a,h)anthracene 54 Benzo(g,h,i)perylene	Concentration ND ND ND ND ND ND ND ND ND N	10 µg/L 50 µg/L 10 µg/L 10 µg/L 10 µg/L 10 µg/L 10 µg/L 20 µg/L 10 µg/L 20 µg/L 10 µg/L

ND = Not Detected

Polychlorinated Biphenyls (PCBs) EPA Method 608/SW8082

1	Compound	Concentration	Reporting Limit
	Aroclor 1016	ND	1.0 µg/L
2	Aroclor 1221	ND	1.0 µg/L
3	Aroclor 1232	ND	•
4	Aroclor 1242	ND	1.0 µg/L
5	Aracior 1248		1.0 µg/L
6	Aroclor 1254	ND	1.0 µg/L
7	Aroclor 1260	ND	1.0 µg/ L
•	1100101 1200	ND	1.0 µg/L

Chlorinated Herbicides EPA Method 615/SW8151A

_	Compound	Concentration	Reporting Limit
1	Dalapon	ND	5.0 µg/L
2	3,5-Dichlorobenzojc Acld	ND	
3	4-Nitrophenol	ND	1.0 µg/L
4	Dicamba	ND	5.0 µg/L
5	MCPP	ND	1.0 µg/L
6	MCPA	ND	200 µg/L
7	Dichloroprop	ND	200 µg/L
8	2,4-D	ND	5.0 µg/L
9	Pentachlorophenol	ND	1.0 µg/L
10	2,4,5-TP (Silvex)	1	1.0 µg/L
11	2,4,5-T	ND	1.0 µg/L
12	2.4-DB	ND	1.0 µg/L
13	Dinoseb	ND	10 µg/L
14	Bentazon	ND	5.0 µg/L
15	DCPA (Dachtal)	ND	5.0 μg/L
16	Pichloram	ND	5.0 μg/L
17	Acifluorfen	ND	1.0 µg/L
• •	velunotiali	ND	5.0 µg/L

Organochlorine Pesticides EPA Method 608/SW8081A

-	Compound	Concentration	Reporting
1	alpha-BHC		Limit
2	gamma-BHC (Lindane)	ND	0.050 µg/L
3	Heptachlor	ND	0.050 µg/L
4	Aldrin	ND	0.050 µg/L
5	beta-BHC	ND	0.050 µg/L
6	delta-BHC	ND	0.050 µg/∟
7	Heptachlor epoxide	ND	0.050 µg/L
8	Endosulfan I	ND	0.050 µg/L
9	Chlordane (Technical)	ND	0.050 µg/L
10	4,4'-DDE	ND	1.0 µg/L
11	Dieldrin	ND	0.10 µg/L
12	Endrin	ND	0.10 µg/L
13	4.4´-DDD	ND	0.10 µg/L
14	Endosulfan II	ND	0.10 µg/L
15	4,41-DDT	ND	0.10 µg/L
16	Endrin aldehyde	ND	0.10 µg/L
17	Methoxychlor	ND	0.20 μg/L
18	Endosulfan sulfate	ND	0.50 µg/L
19	Endrin ketone	ND	0.10 µg/L
20	Toxaphene	ND	0.20 µg/L
		ND	5.0 µg/L